STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10/019,067_
Source: _IFW16_
Date Processed by STIC: _08/10/2006_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):**
   U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

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                  RAW SEQUENCE LISTING              DATE: 08/10/2006
                  PATENT APPLICATION:  US/10/019,067   TIME: 08:57:49

                  Input Set : A:\Sequence Listing.txt
                  Output Set: N:\CRF4\08102006\J019067.raw


      5 <110> APPLICANT: Immundiagnostik AG
      7         Wieslab AB
      9         PAULSSON, Mats
     11         SMYTH, Neil
     13         AESCHLIMANN, Daniel
     15         KARPATI, Sarolta
     17         ODENTHAL, Uwe
     19         SARDY, Miklos
     23 <120> TITLE OF INVENTION: DIAGNOSIS OF GLUTEN SENSITIVE ENTEROPATHY AND OTHER
AUTOIMMUNOPATHIES
     27 <130> FILE REFERENCE: HLZ-001 US (GP968US00)
C--> 31 <140> CURRENT APPLICATION NUMBER: US/10/019,067
C--> 33 <141> CURRENT FILING DATE: 2002-06-28
     37 <150> PRIOR APPLICATION NUMBER: EP 99111075.1
     39 <151> PRIOR FILING DATE: 1999-06-28
     43 <160> NUMBER OF SEQ ID NOS: 16
     47 <170> SOFTWARE: PatentIn version 3.1
     51 <210> SEQ ID NO: 1
     53 <211> LENGTH: 33
     55 <212> TYPE: DNA
     57 <213> ORGANISM: Artificial
W--> 61 <220> FEATURE:
W--> 61 <223> OTHER INFORMATION:
W--> 61 <400> 1
     62 ggccgcatgg agccatccac aattcgaaaa gta
     65 <210> SEQ ID NO: 2
     67 <211> LENGTH: 33
     69 <212> TYPE: DNA
     71 <213> ORGANISM: Artificial
W--> 75 <220> FEATURE:
W--> 75 <223> OTHER INFORMATION:
W--> 75 <400> 2
     76 ggcctacttt tcgaattgtg gatggctcca tgc
     79 <210> SEQ ID NO: 3
     81 <211> LENGTH: 36
     83 <212> TYPE: DNA
     85 <213> ORGANISM: Artificial
W--> 89 <220> FEATURE:
W--> 89 <223> OTHER INFORMATION:
W--> 89 <400> 3
     90 attaagcttg ccgccaccat ggccgaggag ctggtc                            36
     93 <210> SEQ ID NO: 4
     95 <211> LENGTH: 30
     97 <212> TYPE: DNA
```

Does Not Comply
Corrected Diskette Needed

(pg-1,2,3)

If (2-)37 Responses are
Artificial, Unknown. Pls
Explain the Source of
genetic material. See
pg-5 for Error
Explanation.   33

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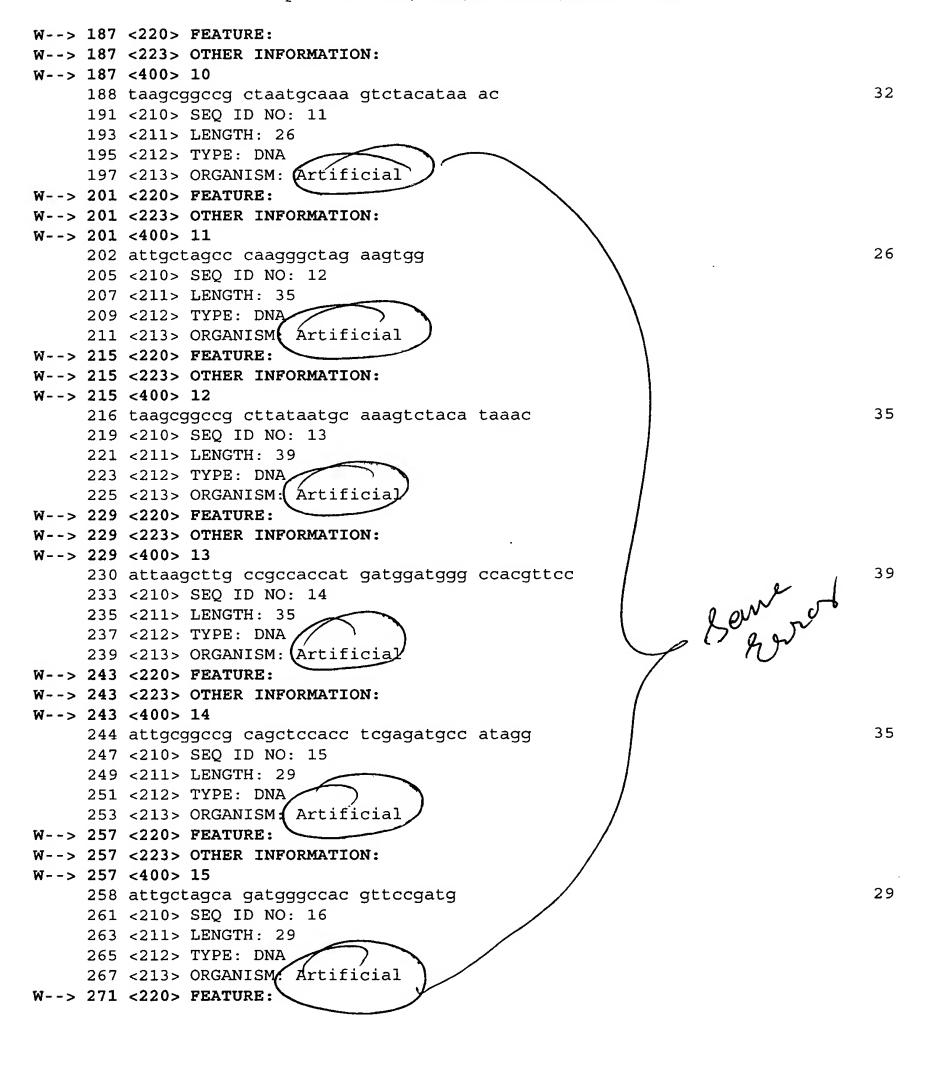
Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF4\08102006\J019067.raw**

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        99 <213> ORGANISM: Artificial
W--> 103 <220> FEATURE:
W--> 103 <223> OTHER INFORMATION:
W--> 103 <400> 4
       104 taagcggccg cggggccaat gatgacattc                         30
       107 <210> SEQ ID NO: 5
       109 <211> LENGTH: 36
       111 <212> TYPE: DNA
       113 <213> ORGANISM: Artificial
W--> 117 <220> FEATURE:
W--> 117 <223> OTHER INFORMATION:
W--> 117 <400> 5
       118 attaagcttg ccgccaccat ggctgctcta ggagtc                  36
       121 <210> SEQ ID NO: 6
       123 <211> LENGTH: 33
       125 <212> TYPE: DNA
       127 <213> ORGANISM: Artificial
W--> 131 <220> FEATURE:
W--> 131 <223> OTHER INFORMATION:
W--> 131 <400> 6
       132 attgcggccg cttcggctac atcgatggac aac                     33
       135 <210> SEQ ID NO: 7
       137 <211> LENGTH: 46
       139 <212> TYPE: DNA
       141 <213> ORGANISM: Artificial
W--> 145 <220> FEATURE:
W--> 145 <223> OTHER INFORMATION:
W--> 145 <400> 7
       146 ctagttgccg ccaccatggc ttggagccat ccacaattcg aaaagg        46
       149 <210> SEQ ID NO: 8
       151 <211> LENGTH: 48
       153 <212> TYPE: DNA
       155 <213> ORGANISM: Artificial
W--> 159 <220> FEATURE:
W--> 159 <223> OTHER INFORMATION:
W--> 159 <400> 8
       160 ctagcgcctt ttcgaattgt ggatggctcc aagccatggt ggcggcaa      48
       163 <210> SEQ ID NO: 9
       165 <211> LENGTH: 31
       167 <212> TYPE: DNA
       169 <213> ORGANISM: Artificial
W--> 173 <220> FEATURE:
W--> 173 <223> OTHER INFORMATION:
W--> 173 <400> 9
       174 attgcggccg ccatggccca agggctagaa g                       31
       177 <210> SEQ ID NO: 10
       179 <211> LENGTH: 32
       181 <212> TYPE: DNA
       183 <213> ORGANISM: Artificial
```

(handwritten annotation: "7 Same Errors")

RAW SEQUENCE LISTING   DATE: 08/10/2006
PATENT APPLICATION: **US/10/019,067**   TIME: 08:57:49

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF4\08102006\J019067.raw**

```
W--> 187 <220> FEATURE:
W--> 187 <223> OTHER INFORMATION:
W--> 187 <400> 10
     188 taagcggccg ctaatgcaaa gtctacataa ac                    32
     191 <210> SEQ ID NO: 11
     193 <211> LENGTH: 26
     195 <212> TYPE: DNA
     197 <213> ORGANISM: Artificial
W--> 201 <220> FEATURE:
W--> 201 <223> OTHER INFORMATION:
W--> 201 <400> 11
     202 attgctagcc caagggctag aagtgg                            26
     205 <210> SEQ ID NO: 12
     207 <211> LENGTH: 35
     209 <212> TYPE: DNA
     211 <213> ORGANISM: Artificial
W--> 215 <220> FEATURE:
W--> 215 <223> OTHER INFORMATION:
W--> 215 <400> 12
     216 taagcggccg cttataatgc aaagtctaca taaac                  35
     219 <210> SEQ ID NO: 13
     221 <211> LENGTH: 39
     223 <212> TYPE: DNA
     225 <213> ORGANISM: Artificial
W--> 229 <220> FEATURE:
W--> 229 <223> OTHER INFORMATION:
W--> 229 <400> 13
     230 attaagcttg ccgccaccat gatggatggg ccacgttcc              39
     233 <210> SEQ ID NO: 14
     235 <211> LENGTH: 35
     237 <212> TYPE: DNA
     239 <213> ORGANISM: Artificial
W--> 243 <220> FEATURE:
W--> 243 <223> OTHER INFORMATION:
W--> 243 <400> 14
     244 attgcggccg cagctccacc tcgagatgcc atagg                  35
     247 <210> SEQ ID NO: 15
     249 <211> LENGTH: 29
     251 <212> TYPE: DNA
     253 <213> ORGANISM: Artificial
W--> 257 <220> FEATURE:
W--> 257 <223> OTHER INFORMATION:
W--> 257 <400> 15
     258 attgctagca gatgggccac gttccgatg                         29
     261 <210> SEQ ID NO: 16
     263 <211> LENGTH: 29
     265 <212> TYPE: DNA
     267 <213> ORGANISM: Artificial
W--> 271 <220> FEATURE:
```

same error (handwritten annotation)

RAW SEQUENCE LISTING   DATE: 08/10/2006
PATENT APPLICATION: **US/10/019,067**   TIME: 08:57:49

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF4\08102006\J019067.raw**

W--> 271 <223> OTHER INFORMATION:
W--> 271 <400> 16
     272 attggatcct aagctccacc tcgagatgc   29

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/10/2006
PATENT APPLICATION: US/10/019,067   TIME: 08:57:50

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\08102006\J019067.raw

Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16   *Error Explanation*

Use of <220> Feature(NEW RULES):
Sequence(s)__are missing the <220> Feature and associated headings.
Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence"
or"Unknown". Please explain source of genetic material in <220> to <223>
section (See "Federal Register," 6/01/98, Vol. 63, No. 104,pp.29631-32)
(Sec.1.823 of new Rules)

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16

VERIFICATION SUMMARY   DATE: 08/10/2006
PATENT APPLICATION: US/10/019,067   TIME: 08:57:50

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF4\08102006\J019067.raw**

L:31 M:270 C: Current Application Number differs, Replaced Current Application Number
L:33 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:61 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:1, <213>
ORGANISM:Artificial
L:61 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:1, <213>
ORGANISM:Artificial
L:61 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:61
L:75 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:2, <213>
ORGANISM:Artificial
L:75 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:2, <213>
ORGANISM:Artificial
L:75 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:75
L:89 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:3, <213>
ORGANISM:Artificial
L:89 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:3, <213>
ORGANISM:Artificial
L:89 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:89
L:103 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:4, <213>
ORGANISM:Artificial
L:103 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:4, <213>
ORGANISM:Artificial
L:103 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:103
L:117 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:5, <213>
ORGANISM:Artificial
L:117 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:5, <213>
ORGANISM:Artificial
L:117 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:117
L:131 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:6, <213>
ORGANISM:Artificial
L:131 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:6, <213>
ORGANISM:Artificial
L:131 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:6,Line#:131
L:145 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:7, <213>
ORGANISM:Artificial
L:145 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:7, <213>
ORGANISM:Artificial
L:145 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:145
L:159 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:8, <213>
ORGANISM:Artificial
L:159 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:8, <213>
ORGANISM:Artificial
L:159 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:8,Line#:159
L:173 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:9, <213>
ORGANISM:Artificial
L:173 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:9, <213>
ORGANISM:Artificial
L:173 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:9,Line#:173
L:187 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:10, <213>
ORGANISM:Artificial
L:187 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:10, <213>
ORGANISM:Artificial
L:187 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:10,Line#:187
L:201 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:11, <213>

```
ORGANISM:Artificial
L:201 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:11, <213>
ORGANISM:Artificial
L:201 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:201
L:215 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:12, <213>
ORGANISM:Artificial
L:215 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:12, <213>
ORGANISM:Artificial
L:215 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:215
L:229 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:13, <213>
ORGANISM:Artificial
L:229 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:13, <213>
ORGANISM:Artificial
L:229 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:13,Line#:229
L:243 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:14, <213>
ORGANISM:Artificial
L:243 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:14, <213>
ORGANISM:Artificial
L:243 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:14,Line#:243
L:257 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:15, <213>
ORGANISM:Artificial
L:257 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:15, <213>
ORGANISM:Artificial
L:257 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:15,Line#:257
L:271 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:16, <213>
ORGANISM:Artificial
```

VERIFICATION SUMMARY
PATENT APPLICATION: **US/10/019,067**

DATE: 08/10/2006
TIME: 08:57:50

Input Set : **A:\Sequence Listing.txt**
Output Set: **N:\CRF4\08102006\J019067.raw**

L:271 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:16, <213>
ORGANISM:Artificial
L:271 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:16,Line#:271